

CORPORATION OF THE CITY OF NEW WESTMINSTER

SCHEDULE 4
SUPPLEMENTARY SPECIFICATIONS

- Supplementary Specifications

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SUPPLEMENTARY SPECIFICATIONS

City of New Westminster Supplementary Specifications and Detail Drawings can be obtained [here](#).

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SUPPLEMENTARY SPECIFICATIONS

Section	Sub-Section	Title	Supplementary Specification
01 59 00S FortisBC Permit <i>(add new section 01 59 00S as follows)</i>	1.0	Background Information	<p>1.0.1 An existing Intermediate Pressure (IP) gas main exists along Phillips Street within 2.0m of the proposed works.</p> <p>A permit is required prior to proceeding with the project work in accordance with FortisBC.</p> <p>A distribution pressure (DP) gas main also exists within 2.0m of the proposed works.</p>
	1.1	Permit Application	<p>1.1.1 The contractor shall obtain all permits required to complete these works.</p> <p>As part of the permitting process, FortisBC has requested that the actual depth of cover of the gas main be determined utilizing hydrovac test holes.</p> <p>The installation and monitoring of settlement gauges will also be required as part of the permit requirements</p> <p>The contractor will be required to obtain a permit to perform the Hydrovac Test holes prior to proceeding.</p> <p>The contractor is to contact Ahmed Mosaddeque (Sammi), sami.ahmed@fortisbc.com (604-589-8238) to continue and complete the required FortisBC permit process. Alternatively contact the FortisBC Permit Desk at 604-576-7021.</p>
	1.2	Schedule	<p>1.2.1 It is expected to take a minimum of 48 hours from the time of the request to obtain the hydrovac permit.</p> <p>1.2.2</p>

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			<p>A minimum of 15 working days are expected from the time that the depth of cover information is provided to FortisBC to the time when the Permit is issued.</p> <p>1.2.3 Should the permitting process be in excess of the timeline outlined above, additional days will be added to the contract timeline. No monetary costs will be considered for delay during this time. It is expected that this work will be carried out prior to general mobilization to site.</p>
	1.3	Measurement and Payment	<p>1.3.1 Payment for this item is to include all equipment, materials, survey, coordination, traffic control and labour required to obtain the required FortisBC permits to commence work on Phillips Street. This includes coordination with FortisBC, hydrovac locations and survey of the IP gas main at 20m intervals and the creation of a red line mark-up drawing indicating the depth of cover, elevation and location of the gas main based on the benchmark monument provided on the contract drawings. Payment shall be as a lump sum.</p> <p>This item is to include the installation and monitoring of three (3) settlement gauges as described on the contract drawings. Settlement monitoring of the proposed concrete curb above the gauge location shall also be included.</p>
31 05 17 Aggregates & Granular Materials	1.4	Measurement and Payment	<p>1.4.2S <i>(add new clause as follows)</i> Measurement for light weight fill of variable thickness will be for actual volume placed as measured in the field. Proposed light weight fill material to be pre-approved by the Owner's Geotechnical Engineer prior to placement.</p>

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			<p>Payment to include supply, transportation, placement, compaction as recommended by the Geotechnical Engineer, testing and all other works, equipment, materials and labour required to place the light weight fill as shown on the contract drawings and as discussed in the contract documents.</p>
	<p>2.13 <i>(add new sub-section as follows)</i></p>	<p>Products – Light Weight Fill</p>	<p>Light weight fill material to be as per Geotechnical Assessment Report by GeoWest Engineering Ltd dated October 19, 2018 outlined in section 6.5 Light weight fills should consist of pumice or vesicular basalts or other materials pre-approved by GeoWest, with a maximum saturated unit weight of 12 kN/m³.</p> <p>Light weight fills are to be gap graded with the incorporation of a non-woven filter cloth to prevent migration of fine-grained particles.</p> <p>Compaction methods to be employed on the light weight fill will not be conventional. Compaction methodology must be approved by GeoWest Engineering.</p>
<p>31 24 13 Roadway Excavation, Embankment and Compaction</p>	<p>1.8</p>	<p>Measurement and Payment</p>	<p>1.8.10S <i>(delete 1.8.10 and replace as follows)</i> Payment for replacement of areas of unsuitable subgrade revealed during proof rolling or as directed by the CA will include all remedial work, materials and requirements specified in this section. Payment will be based on field measurements made by the CA or Site Representative and the Contractor.</p> <p>1.8.8S <i>(delete 1.8.8 and replace as follows)</i> Measurement for peat excavation and off-site disposal will be made by loose</p>

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			<p>truck box volume in watertight truck box.</p> <p>Payment will be for all peat excavated for the construction of this project including peats that contain contaminated materials as described in GeoWest Engineering Subsurface Investigation, File GA18-1251-01 .</p> <p>Payment to include all equipment, dumping fees, labour, transportation and any other means required to perform this operation.</p>
			<p>1.8.14S (add new clause 1.8.14S as follows)</p> <p>Additional payment to dispose of all contaminated soils, excluding all peats, as identified in GeoWest Engineering Subsurface Investigation, File GA18-1251-01 between Stations 0+700 and 0+740 to a licensed facility shall be made per tonne of material disposed. Payment to be a premium for hauling and disposing the identified contaminated materials. Measurement shall be made per weigh tickets provided by the disposal facility on a daily basis. Payment for disposal of contaminated materials identified in peat layers to be paid per clause 1.8.8S, Peat Removal.</p>
32 11 16.1 Granular Subbase	1.4	Measurement and Payment	<p>1.4.6S (add new clause as follows)</p> <p>The payment for the reuse of existing granular road fill shall be for each cubic meter placed after compaction as measured in place. Payment shall include excavation, transportation, stockpiling, testing, placement, compaction and all other works required to reuse the existing granular road fill material as discussed in the Geotechnical report. Material to be reused shall be approved by the Owner's geotechnical engineer and as directed by the Contract Administrator.</p>

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			<p>The Contractor shall test the material to determine the suitability of the material for reuse.</p> <p>Surplus reclaimed material not used onsite will be disposed offsite under section 31 24 13 1.8.5. No additional payment will be made for handling the surplus material twice.</p>
32 93 01 Planting of Trees, Shrubs and Ground Covers	1.9	Measurement and Payment	<p>1.9.3S <i>(add new clause as follows)</i> An allowance of \$35,000.00 has been carried for the installation of boulevard trees. Tree type, location and placement will be determined by the Owner (City of New Westminster). Payment for the installation of Trees may be completed as a Change Order once further details are known.</p>
33 40 01 Storm Sewers	1.6	Measurement and Payment	<p>1.6.2S <i>(delete 1.6.2 and replace as follows)</i> Payment for storm sewer includes saw cutting pavement, trench excavation, disposal of surplus excavated material (except peat), supply and installation of all pipes, fitting and related materials, cleaning and flushing, and all other works and materials necessary to complete installation as shown on Contract Drawings and specified under this section.</p> <p>Light weight fill bedding and backfill to be paid separately under 31 05 17 1.4.2S. Payment for disposal of peat if encountered will be paid for under 31 24 13 1.8.8S.</p>

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			Measurements for storm sewer will be made horizontally from manhole centreline to manhole centreline.